



16-Port Gigabit Green Switch (TEG-S16Dg)

24-Port Gigabit Green Switch (TEG-S24Dg)

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1. Before You Start

Package Contents

- TEG-S16Dg/TEG-S24Dg
- Multi-Language Quick Installation Guide
- Power Cord (1.8m / 6ft)

If any of the above contents are missing, please contact your reseller.

Minimum Requirements

- Computer with network adapter installed
- Cat.5e or Cat.6 network cable
- The surface must support at least 1.5 kg for the switch
- The power outlet should be within 1.82 m (6 ft) of the switch
- Make sure that there is proper heat dissipation and adequate ventilation around the Switch
- Do not place heavy objects on the switch

2. Hardware Installation

1. Connect the Power Cord to the TEG-S16Dg/TEG-S24Dg and then to a power outlet.



2. Connect a Cat.5e or Cat.6 RJ-45 network cable from the computer to an available Ethernet port on the TEG-S16Dg/TEG-S24Dg.



3. Move the power switch to the On position.



3. LEDs

PWR (Power)

- **Green:** Power is on
- **Not Illuminated:** Power is off



Link/ACT

- **Green (Solid):** Link to a network device
- **Green (Blinking):** Activity is occurring from the link
- **Not Illuminated:** No connection



100/1000M

- **Green:** Connection for the port is 2000Mbps (Full)
- **Amber:** Connection for the port is 100/200Mbps (Half/Full)
- **Not Illuminated:** Connection for the port is 10/20Mbps (Half/Full) or no connection



Technical Specifications

Hardware		
	TEG-S16Dg	TEG-S24Dg
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T; IEEE 802.3x Flow Control • IEEE 802.3az Energy Efficient Ethernet 	
Network Media	<ul style="list-style-type: none"> • Ethernet: Cat. 5, up to 100m • Fast Ethernet: Cat. 5 and 5e up to 100m • Gigabit Ethernet: Cat. 5, 5e, 6, up to 100m 	
Data Rate	<ul style="list-style-type: none"> • Ethernet: 10Mbps/20Mbps (half/full-duplex) • Fast Ethernet: 100Mbps/200Mbps (half/full-duplex) • Gigabit Ethernet: 2000Mbps (full-duplex) 	
Protocol / Topology	CSMA/CD, Star	
Power Consumption (max)	7.2 watts (max.)	13 watt (max.)
Switch Fabric	32Gbps	48Gbps
Interface	16 x 10/100/1000Mbps Auto-MDIX RJ-45 ports	24 x 10/100/1000Mbps Auto-MDIX RJ-45 ports
Power Button	On/ Off power button	
Data RAM Buffer	2Mbits	3.5Mbits
Filtering Table	8K entries	8K entries
Diagnostic LED	Power, Link/ACT, 100Mbps, 1000Mbps	
Jumbo Frame Support	Up to 9216Bytes	
Power	100~240VAC, 50/60Hz Internal universal switching power	
Dimension	280 x 180 x 44mm (11 x 7 x 1.7 in.)	
Weight	1.5kg (3.3 lbs.)	1.7kg (3.8 lbs.)
Temperature	<ul style="list-style-type: none"> • Operating: 0° ~ 40° C (32° ~ 104° F) • Storage: -10° ~ 70° C (14° ~ 158° F) 	
Humidity	Max. 90% (non-condensing)	
Certification	CE, FCC	

Troubleshooting

1. After connecting the Switch to a power outlet, the LEDs do not turn on.

1. Check the connection of the power cord to the TEG-S16Dg/TEG-S24Dg and the power outlet.
2. Check that the power outlet is receiving power.

2. When I connect a computer to one of the ports on the Switch, the Link/ACT LED turns on, but I am not getting Gigabit speeds.

1. Check the LEDs. If the 100/1000M LED is green, the computer's connection speed is 1000Mbps. If the 100/1000M LED is amber, the computer's connection speed is 100Mbps. If the 100/1000M LED is off, the computer's connection speed is 10Mbps or not connected.
2. Check the Ethernet Cable. Make sure you are using CAT.5e or CAT.6 Ethernet Cables. Some CAT-5 cables are not rated to run in Gigabit.
3. Make sure that you have a Gigabit Ethernet Adapter installed on your computer.

3. After I connect my PCs to the Switch, I am unable to share files.

1. Check the LEDs on the Switch. Make sure the Link/ACT LED is on.
2. Check the network cable. The minimum length of the cable is 1.5 meters and the maximum length of the cable is 100 meters.
3. Disable any software firewall program.
4. Verify that you have file sharing enabled. Please contact your Operating System support for more information.

4. After I connect my PCs to the Switch, I can only get onto the Internet from one computer.

The Switch was not designed to share Internet between multiple computers. You need to get an Internet router such as the TW100-S4W1CA.

5. Where is the uplink port located on the Switch?

Since all the ports on the Switch are Auto-MDIX, any of the ports can be used as an uplink port.

If you still encounter problems or have any questions regarding the **TEG-S16Dg/TEG-S24Dg** please contact TRENDnet's Technical Support Department.

Declaration of Conformity



Company Information:

Company Name:
TRENDnet, Inc.

Company Address:
20675 Manhattan Place
Torrance, CA 90501
USA

Product Information:

Product Description:
16-Port Gigabit GREENnet Switch
24-Port Gigabit GREENnet Switch

Model Number:
TEG-S16Dg
TEG-S24Dg

Brand name:
TRENDnet



Technical Standards:

EN 55022 : 2006 + A1 : 2007 Class A
EN 61000-3-2 : 2006
EN 61000-3-3 : 2008
EN 55024 : 1998 + A1 : 2001 + A2 : 2003

Declaration:

The product is herewith confirmed to comply with the requirements of Directive 2004/108/EC of the Council (European Parliament) on the EMC directive.

I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.

Sonny Su

Full Name

July 6, 2011

Date

Director of Technology

Position / Title

Signature

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TEG-S16Dg/TEG-S24Dg - 3 Years Limited Warranty

AC/DC Power Adapter, Cooling Fan and Power Supply carry a 1 year limited warranty

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Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDnet's website at <http://www.trendnet.com/register>

Certifications

This equipment has been tested and found to comply with FCC and CE Rules.
Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received. Including interference that may cause undesired operation.



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